

**In the Abstract**

***Kindly enter the following into the Official File:***

A process for improving a fingerprint image including normalizing an initial image; determining a useful zone of the image; cutting the image into a plurality of blocks; calculating an FFT of each block; determining frequencies of image blocks based on the FFT; applying Gabor filters of parameters determined by the frequencies; and determining orientations of the image based on filtered images derived from the Gabor filters.